

Bourdon tube pressure switch

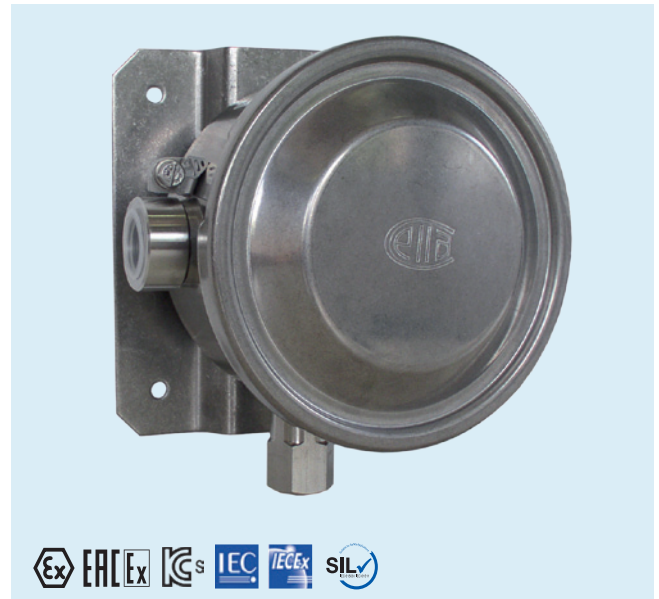
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Applications

- Pressure monitoring and control of processes
- Safety-critical applications in general process instrumentation, especially in the chemical and petrochemical industries, oil and gas industries, power generation incl. nuclear power plants, water/wastewater industries, mining
- For gaseous, liquid and aggressive media, also in aggressive ambience

Special features

- No power supply needed for switching of electrical loads
- Robust switch enclosure from 316L, IP66, NEMA 4X
- Setting ranges from 0 ... 2.5 bar to 0 ... 1,000 bar, vacuum ranges
- Ex ia version available
- 1 or 2 independent set points, SPDT or DPDT, high switching power up to AC 250 V, 20 A



Order numbers

Process connection	1/4 NPT-F	
Electrical connection	1/2 NPT-F	
Wetted materials	Bourdon tube and process connection AISI 316L	
Contacts	UN - 1 x SPDT, silver contact	US - 1 x SPDT, silver contact, hermetically sealed with argon gas
Setting range		
-1 ... 1.5 bar	14151786	14151789
0 ... 2.5 bar	14151790	14151792
0 ... 6 bar	14151794	14151797
0 ... 16 bar	14151798	14151799
0 ... 40 bar	14151801	14151802
0 ... 100 bar	14151805	14151808
0 ... 160 bar	14151810	14151812
0 ... 250 bar	14151815	14151816
0 ... 400 bar	14151817	14151818

Legend: available from stock in Germany available after production -- not available

Quick order code (for further details see data sheet PV 32.20)

Field no.	Code	Version
Electric contacts		
①	UN	1 x SPDT silver contact
	US	1 x SPDT silver contact, hermetically sealed, argon gas filling
	UO	1 x SPDT gold-plated contact, hermetically sealed, argon gas filling
	UG	1 x SPDT gold-plated contact
	UR	1 x SPDT silver contact, adjustable dead band
	DN	2 x SPDT or 1 x DPDT silver contact
	DS	2 x SPDT or 1 x DPDT silver contact, hermetically sealed, argon gas filling
	DO	2 x SPDT or 1 x DPDT gold-plated contact, hermetically sealed, argon gas filling
	DG	2 x SPDT or 1 x DPDT gold-plated contact
Setting range (in bar)		
②	BBA	-1 ... +1.5 bar
	BBB	-1 ... +5 bar
	BBC	-1 ... +15 bar
	BBD	0 ... 2.5 bar
	BBE	0 ... 6 bar
	BBF	0 ... 16 bar
	BBG	0 ... 40 bar
	BBH	0 ... 100 bar
	BBI	0 ... 160 bar
	BBJ	0 ... 250 bar
	BBK	0 ... 400 bar
	BBL	0 ... 600 bar
	BBM	0 ... 1,000 bar
Process connection		
③	1	1/4 NPT-F
	2	Adapter 1/2 NPT-M
	3	Adapter 1/2 NPT-F
Electrical connection		
④	A	1/2 NPT-F
	I	Adapter M20 x 1.5-F
Special design features		
⑤	O	Cleaning for oxygen service
	D	Wetted parts dried
	N	NACE
	Z	Without
Ambient / application condition		
⑥	D1	Suitable for ambient temperature to -60 °C
	O1	Offshore
	ZZ	Without

Please specify approvals and certificates via free text.

C1 Intrinsic safety Ex ia IECEx-ATEX

C4 SIL 2 for functional safety

Order code: BWX B AAM ZZZ